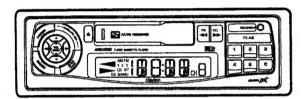
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# **Service Manual**



FM-MPX/MW/LW Radio Cassette Combination

# Model ARBI370E

(PE-1537E-A/Illumination:Amber) (PE-1537E-B/Illumination:Green)

# **■**SPECIFICATIONS

#### Radio section

Tuning system:

PLL synthesizer tuner

Receiving frequencies:

FM:87.5 to 108MHz(0.05MHz

steps)

MW:531 to 1,602kHz(9kHz steps) LW:153 to 279kHz(3kHz steps)

#### Tape deck section

Cassette type:

Compact audio cassette

Playback system:

Auto reversing 4-track,2-channel

stereo cassette tape playback

(monaural playback also possible)

Frequency response: 30 to 15kHz±3dB

Wow & flutter(WRMS):

0.1%

S/N ratio:

120 μs(normal):53dB

Tape types:

Normal

### General

Max.power output:

4×30W

Effective power output(1%THD):

4×14W

Power supply voltage:

DC 14V(10.8 to 15.6V allowable)

Auto antenna rated current:

0.5A or less

Dimensions(mm):

178(W)×50(H)×152(D)

Weight:

1.3kg

Specifications and design are subject to change without notice for further improvement.

### ■ COMPONENTS

#### PE-1537E-A/PE-1537E-B

Main unit		1
Mounting bracket	300-9677-00	- 1
Parts bag		1
Hook plate	331-0488-00	2
Spacer	345-3653-01	1
Screw	716-0726-01	1

### ■ FEATURES

- 1. Electronic Quartz-locked PLL tuning
- 2. 24 presets(18FM,6MW/LW)
- 3. Preset scan(PS)
- 4. Auto store(AS)
- 5. Double-gutter hard permalloy head
- 6. High power 4×30W max.
- Electronic controls(Volume/bass/tretle/balance/ fader)
- 8. Audio muting
- 9. Partially-detachable control panel

# To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

- Place the parts and wiring back in their original positions after replacement or re-wiring.
  - For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection. If extended damage is caused due to negligence dur-

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws,parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

- 4. Caution in removal and making wiring connection to the parts for the automobile.
  - Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
- 5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc.). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

- 6. Cautions in handling flexible PWB
  Before working with a soldering iron,make sure that
  the iron tip temperature is around 270°C. Take care
  not to apply the iron tip repeatedly(more than three
  times)to the same patterns. Also take care not to apply the tip with force.
- Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

## ■ NOTES

For VW and Audi vehicles, change the position of fuse installation as shown on the diagram. (Fig. 1)

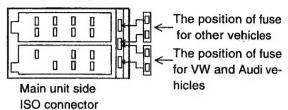


Fig.1

- Short-circuiting the power antenna terminal or using a power antenna with a current exceeding the rated current can damage internal circuits. Always use with the rated current,
- The DCP can easily be damaged by shocks. After removing it, be careful not to drop it or subject it to strong shocks.
- When the release button is pressed and the DCP is unlocked, the car's vibration may cause it to fall.

# ■EXPLANATION OF IC

■LC72323A-9281 052-1909-00 System Controller

Outward Form 80 pins, plastic QFP

Terminal Description

Ter	minal Description		
No.	Symbol	I/O	Function
1	X' TAL IN	I	Connects X-TAL 4.5 MHZ
2	N.C.	-	N.C. (OPEN)
3	FM ST IND	I	Inputs Low in FM
4	AM SD	I	Detects AM signal
5	FM SD	I	Detects FM signal
6	SEL 3	1	N.C. (GND)
7	FM +B	0	Outputs Low in FM +B
8	AM +B	0	Outputs Low in AM +B
9	A MUTE	0	Outputs Low in AUDIO MUTE ON
10	FM DX/LO	0	Outputs Hi in FM DX
11	N.C.	I	N.C. (GND)
12	TAPE	1	Inputs Low in TAPE mode
		-	Inputs Low in TAPE mode, FOR . Inputs Hi in TAPE
13	FOR/REV	l	mode, REV.
14	FF/REV	1	Inputs Low in TAPE mode, FF/REW
15	N.C.	0	Not in use
16	LW/MW	0	LW BAND="HI"
17	AM DX/LO	0	AM DX="LO"
18	N.C.	0	N.C. (OPEN)
19	E-DO	0	Outputs DATA for E-VOL
20	E-CLK	0	Outputs E-VOL for CLOCK
21	REM +5	0	Inputs Low when REM+ 5V is ON
22	IF REQ	0	Inputs Hi in RADIO SEEK
23	N.C.	0	N.C. (OPEN)
24	REM +B	0	Outputs Hi in REM +14V ON
25 26	N.C.	0	N.C. (OPEN)
27	KS 3		
28 29	KS 2 KS 1	0	Key scan output
30	KS 0	<u> </u>	
31	VDD	-	VDD 5V power supply
32	KI 3 KI 2		
34	KI 1	I	Key scan input
35	N.C.	0	N.C. (OPEN)
37	N.C.	-	N.C. (OPEN)
38	LCD SEGMENT	0	Outputs LCD segment control
63	COM 2	0	Displays COM2 on LCD
65	COM 1	0	Displays COM1 on LCD
66	SEL 2	I	N.C. (GND)
67	HOLD	I	Inputs Hi in ACC ON
68	RES	1	Connects VDD
69	SEL 1	I	Setup terminal
70	FM IF IN	I	Inputs FM IF
71	AM IF IN	I	Inputs AM IF
72	SNS	I	Inputs RESET circuit
-	VDD		
73		- r	VDD 5V power supply
74	FM OSC	I	Inputs FM OSC

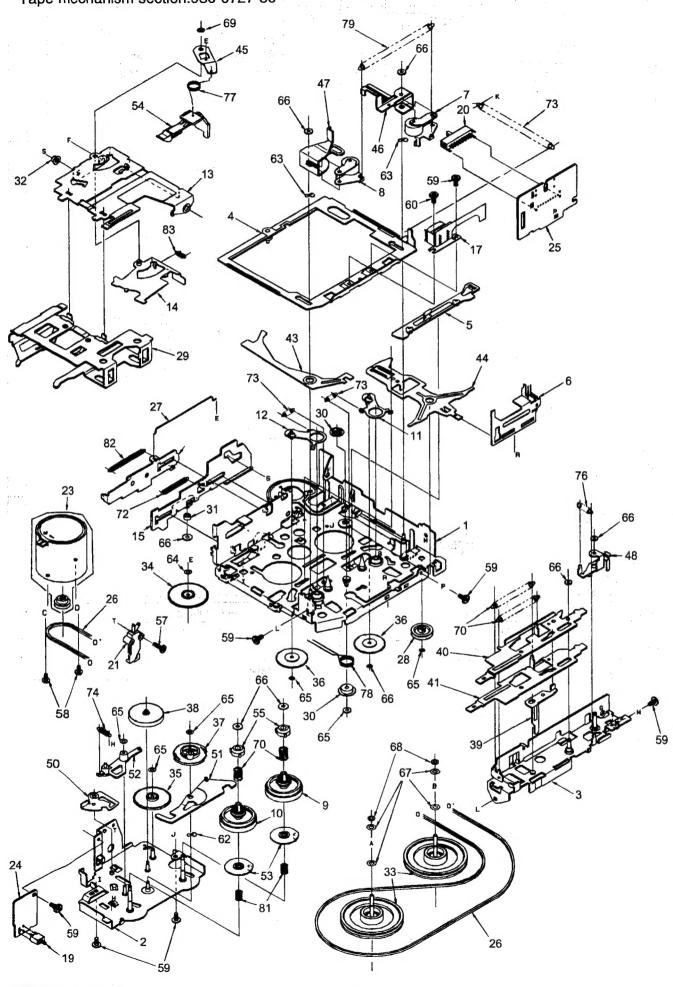
No.	Symbol	I/O	Function	
75	AM OSC	I	Inputs AM OSC	
76	VSS	-	Connects GND	
77	EO I	0	Outputs for phase modulator	
78	EO 2	0	N.C. (OPEN)	
79	TEST 1	I	N.C. (GND)	
80	X' TAL OUT	I	Connects X-TAL 4.5 MHZ	

# ■EXPLODED VIEW · PARTS LIST Main section 26 37 33 1-28 1-16 1-17 1-20 1-16 1-17 1-17 1-14 1-15 1-23 20 1-26 1-25

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	940-1827A	ESCUTCHEON-ASSY(AMBER)	1	3	750-3137-00	SPRING	2
	940-1828A	ESCUTCHEON-ASSY(GRN) DCP-ASSY	1	4	714-5008-41	MACHINE SCREW	2
1-1	940-1791A			5	311-1697-02	LOWER CASE	1
1-2	013-6002-50	SWITCH	6	6	714-3005-80	MACHINE SCREW	16
1-3	013-7000-01	SWITCH	1	7	331-0604-00	MECHA BRKT	1
1-4	335-5358-00	ILLUMI PLATE	1	8	382-4464-00	BUTTON(FF)	1
1-5	382-4472-00	BUTTON(P-OUT)	1	9	382-4465-00	BUTTON(REW)	1
1-6	750-3221-00	SPRING(P-OUT)	1	10	335-5300-00	SPACER(FF/REW)	2
1-7	335-5313-00	HOOK	1	11	382-4467-00	BUTTON(EJ)	1
1-8	750-3220-00	SPRING(P-HOOK)	1	12	716-1719-00	SCREW	1
1-9	750-3217-00	SPRING	1	13	930-0727-80	TAPE-MECHANISM(TOM-2)	1
1-10	382-4397-20	BUTTON(A-M)	1	14	310-1571-00	UPPER CASE	1
1-11	335-5297-00	JOG PLATE	1	15	290-6495-01	LABEL(AMBER)	1
1-12	335-5290-00	ILLUMI PLATE	1		290-6495-00	LABEL(GRN)	1
1-13	370-5647-00	ESCUTCHEON	1	16	060-0057-56	AUTO-FUSE(10A)	1
1-14	320-0526-27	DUSTPROOF-CVR	1	17	714-2610-10	MACHINE SCREW	1
1-15	382-4395-20	BUTTON(BAND)	1	18	074-1115-11	OUTLET SOCKET	1
1-16	382-4393-21	BUTTON(POWER)	1	19	331-1856-20	CONNECT HOLDER	1
1-17	380-5394-20	KNOB(VOL)	1	20	370-5656-01	OUTER-ESCUTCHEON	1
1-18	335-5298-00	JOG ARM	1	21	039-0841-00	CONNECT PWB	1
1-19	345-7818-00	SPONGE(L)	1	22	017-9001-01	PILOT-LAMP	2
1-20	335-5307-00	ILLUMI PLATE(L)	1	23	039-0839-01	MAIN PWB	1
1-21	716-0778-00	WAVE SCREW	9	25	331-0613-00	IC-HOLDER	1
1-22	331-2003-00	HOOK PLATE	1	26	313-1616-00	HEAT SINK	1
1-23	345-7898-00	SPACER	2	27	714-3010-80	MACHINE SCREW	3
1-24	347-5438-00	SHADE	1	28	051-2009-00	IC(TDA8561Q)	2
1-25	331-2136-00	EARTH PLATE	1	29	092-9000-01	ANT-RECEPTACLE	1
1-26	347-5437-00	DOUBLF FACE	1	30	331-0643-00	EARTH PLATE	1
1-27	345-4441-58 345-2830-20	LAMP CAP(AMBER) LAMP CAP(GRN)	3	31	880-2079C	FM/MW/LW TUNER	1
1-28	<u> </u>	PILOTLAMP	3	32	345-3436-64 345-3436-13	LAMP CAP(AMBER) LAMP CAP(GRN)	2 2
1-29	013-3812-11	SWITCH	8	. 33	335-5310-00	LCD HOLDER	1
1-30	039-0851-00	SWITCH P.W.B	1	34	347-5368-00	FILM	1
1-31	039-0851-00	SWITCH P.W.B	1	35	347-5367-00	SHADE	1
1-32	716-0872-00	PAD SCREW	2	36	379-1070-21	INDICATOR	1
2	286-8681-00	SETPLATE	1	37	331-2000-00	LCD COVER	1

# ■EXPLODED VIEW • PARTS LIST

Tape mechanism section:930-0727-80



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	960-4421-00	DECK ASS'Y	1	42	630-2445-01	EJECT LEVER	1
2	960-4424-00	BOTTOM ASS'Y	1	43	630-2499-01	CHANGE LEVER	1
3	960-4182-04	FRAME ASS'Y	1	44	630-2501-02	CHANGE PLATE	1
4	960-4423-00	HEAD-P-ASS'Y	1	45	630-2419-02	SWING ARM	1
5	960-4186-02	FF-REW-P-ASS'Y	1	46	630-2505-02	FF-REW LINK	1
6	960-4427-00	HEAD-SW-ASS'Y	1	47	630-2506-05	RELEASE LINK	1
7	960-4188-03	ROLLER ASS'Y F	1	48	630-2507-04	LOCK LINK	1
8	960-4189-03	ROLLER ASS'Y R	1	50	630-2529-02	MUTE PLATE	1
9	960-4190-09	REEL ASS'Y F	1	51	631-1958-05	CHECK LINK	1
10	960-4191-09	REEL ASS'Y R	1	52	631-1959-01	CHANGE LINK	1
11	960-4192-02	IDLER ASS'Y F	1	53	631-1961-03	CHECK PLATE	2
12	960-4193-02	IDLER ASS'Y R	1	54	631-0658-01	PACK STOPPER	1
13	960-4422-00	GUIDE ARM ASS'Y	1	55	631-1967-00	SLIDE BUSH	2
14	960-4141-04	OFF ARM ASS'Y	1	57	714-2008-81	MACHINE SCREW	1
15	960-4425-00	EJECT P-ASS'Y	1	58	716-0484-02	SCREW	2
17	011-0313-15	HEAD	1	59	716-1471-00	S-TIGHT	7
19	013-3906-00	SWITCH	1	60	716-1473-01	HEAD SCREW	1
20	013-3922-00	SWITCH	1	62	745-0752-00	PLATE SPRING	1
21	013-3924-00	SWITCH	1	63	745-0756-00	SPRING WASHER	2
23	SMA-141-100	DC MOTOR ASS'Y	1	64	746-0712-03	WASHER	1
24	039-0726-00	PWB	1	65	746-0724-00	WASHER	6
25	099-9669-00	PWB	1	66	746-0768-00	WASHER	8
26	602-0115-00	BELT	1	67	746-0839-00	CAPSTAN WASHER	4
27	750-2860-01	ROD SPRING	1	68	746-0869-00	WASHER	2
28	604-0042-01	TENSION PULLEY	1	69	746-0622-01	WASHER	1
29	606-0100-05	PACK GUIDE	1	70	750-2564-01	SLIDE SPRING	2
30	610-0334-01	HEAD ROLLER B	1	71	750-2904-02	FF-REW SPRING	2
31	610-0363-00	EJECT P-ROLLER	1	72	750-2858-01	EJECT P-SPRING	1
32	610-0337-00	GUIDE A-ROLLER	1	73	750-2906-00	IDLER SPRING	2
33	611-0090-04	FLYWHEEL	2	74	750-2907-03	CHANGE L-SPRING	1
34	613-0272-10	GEAR A	1	75	750-2908-02	HEAD SPRING	1
35	613-0273-02	GEAR B	1	76	750-2909-04	ROD SPRING	1
36	613-0274-02	IDLER GEAR	2	77	750-2861-01	SLOT-IN SPRING	1
37	613-0275-03	CHANGE GEAR	1	78	750-2911-01	HOLDING SPRING	1
38	613-0277-02	CHECK GAER	1	79	750-2912-01	PINCH SPRING	1
- 39	630-2488-02		1	81	750-2919-03	CHECK SPRING-R	2
40	630-2497-03		1	82	750-2857-02	EJECT L-SPRING	1
41	630-2496-03		1	83	750-2859-00	OFF ARM SPRING	1

# ■ELECTRICAL PARTS LIST Main PWB

Note) Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

REF No.   PART No.   DESCRIPTION   REF No.   PART No.   PAR		IVICAN	1 AAD					One of a lose parts is ase	-			
C 103   178-1032-05   500 / 0.01   μ	RE	F No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION
C 103   178-1032-05   500 / 0.01   μ	_	101	176-1801-00	50V 18nF CH	C	615	178-2232-05	25V 0.022 µF	Q	718	191-1243-00	2SB1243
C 100 178-1032-06 SOV 0.01 μF C 101 (198-203-06) 10V 100 μF C 10		: 1										
C 101 0 173-0332-06 129V 0.033 μF C 702 180-1068-30 35V 10 μF R 104 117-683-10 1/10/W 18k0 C 702 180-1068-30 35V 10 μF R 104 117-683-10 1/10/W 18k0 C 702 180-1068-30 35V 10 μF R 106 117-393-91 1/10/W 2½c 0 107 173-104-50 62 29V 0.037 μF C 703 180-1068-30 35V 10 μF R 106 117-393-91 1/10/W 2½c 0 100 173-104-50 62 29V 0.047 μF C 703 180-1068-30 35V 10 μF R 107 111-1031-91 1/10/W 2½c 0 100 173-104-50 62 29V 0.047 μF C 703 173-1022-35 50V 0.00 μF R 107 111-1031-91 1/10/W 2½c 0 111-1031-91 1/10/W 2½c 0 111-10/W 2½c 0 11-10/W 2½c 0 111-10/W 2½c 0 111-10/W 2½c 0 111-10/W 2½c 0 11-10/W 2½c 0 111-10/W 2½c 0 11-10/W 2½c 0 11-10/												
C 106 178-3323-05 29 V 0.035 μF	C	103	178-1032-05	50V 0.01 μF	C							
0 105   178-3332-65   29V 0.033 μF   C 701   180-2258-04   SW 1 2 μF   R 104   117-8631-10   1/10W 25kΩ   C 107   178-1045-06   25V 0.1 μF   C 703   184-478-35   10V 47 μF   R 105   117-3221-10   1/10W 25kΩ   C 108   178-472-36   25V 0.1 μF   C 706   178-1020-05   SW 1 0 μF   R 108   117-3221-10   1/10W 25kΩ   C 111   102-300-00   10V 10 μF   C 706   178-1020-05   SW 1 0 μF   R 100   117-2221-10   1/10W 25kΩ   C 111   102-300-00   10V 10 μF   C 706   178-1020-05   SW 1 0 μF   R 100   117-2221-10   1/10W 25kΩ   C 112   178-2233-05   SW 0.02 μF   C 709   102-300-00   15V 10 μF   C 706   178-1020-05   SW 0.01 μF   C 701   178-1020-05   SW 0.00 μF   C 701   178-1020-05   SW	C	104	042-9003-00	10V 100 µF	C	618	171-2233-06	25V 0.022 μF	JR	103	117-1831-10	1/10W 18kΩ
C 100   178-3032-06   22V 0.033 μF   C 702   180-1068-58   SS V 10 μF   R 106   117-393-91   1/4/WS 39&0   C 100   178-107-66   22V 0.1 μF   C 704   184-227-32   10V 220 μF   R 106   117-222-10   1/10V 22&0   C 704   184-227-32   10V 220 μF   R 107   117-1033-91   1/4/WS 10&0   C 101   180-225-85   50V 0.22 μF   C 706   178-1022-05   50V 1000μF   R 107   117-1033-91   1/4/WS 10&0   C 111   104-260-300   10V 100 μF   C 706   178-1022-05   50V 1000μF   R 109   117-222-10   1/10V 22&0   C 113   104-260-300   10V 100 μF   C 706   104-260-300   100-200-30   10V 100 μF   C 706   104-260-300   100-200-30   100-200-					c	701	180-2253-63	50V 2.2 µF	R	104	117-5631-10	1/10W 56kΩ
1 0 10 173-230-5 geV 0.0 T μF	ľ				1				R			
1 Oil 9         179-1472-30-50         28 V O 147 μF         C         704         184-2273-82 I IOV 220 μF         R         107         111-103-93 I I IAWSS 10k.0           0 110         186-2243-68 30 V O 0.22 μF         C         706         178-1022-05 50V 1000pF         R         109         178-1023-05 10V 1000pF         R         201         117-223-1-10 I 1/10W 22kD         170-022-05 50V 1000pF         R         201         172-223-1-10 I 1/10W 22kD         170-022-05 50V 1000pF         R         201         177-223-1-10 I 1/10W 22kD         170-022-05 50V 1000pF         R         202         178-1023-05 50V 0.01 μF         C         711         178-1023-05 50V 200pF         R         203         177-101-10 I 1/10W 1000 1000         R         203         178-101-10 I 1/10W 120kD         R         203         178-222-25 50 50W 120kD         R	C											The state of the s
C 109   172-1043-06   25V 0.1 μF   C 705   173-1022-05   50V 1000pF   R 109   177-1031-10   170W 10kD   20kD   171-1031-10   170W 20kD   171-1031-	lc	107	178-1045-06	25V 0.1 μF	1		}					
C 109   172-1043-06   25V 0.1 μF   C 705   173-1022-05   50V 1000pF   R 109   177-1031-10   170W 10kD   20kD   171-1031-10   170W 20kD   171-1031-	lC	108	178-4732-05	25V 0.047 μF	C	704	184-2273-22	10V 220 μF	JR	107	111-1031-91	1/4WSS 10kΩ
$ \begin{bmatrix} 0 &   10 &                                     $				,	C	705	178-1022-05	50V 1000pF	lR	108	117-1031-10	1/10W 10kΩ
C 111 [1742-233-06] SV 0.02 μ F C 113 [1742-233-06] SV 0.02 μ F C 114 [175-033-06] SV 0 0.01 μ F C 115 [175-033-06] SV 0 0.01 μ F C 116 [175-1033-06] SV 0 0.01 μ F C 116 [175-1033-06] SV 0 0.01 μ F C 116 [175-1033-06] SV 0 0.01 μ F C 201 [175-1033-06] SV 0 0.01 μ F C 201 [175-1033-06] SV 0 0.01 μ F C 202 [175-1032-06] SV 1 0000 F C 203 [175-1033-06] SV 0 1 000 F C 204 [175-1033-06] SV 0 1 000 F C 205 [175-1032-06] SV 1 1 000 F C 205 [175-1032-06] SV 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2						}					
$ \begin{array}{c} \mathbb{C} & 113 & 178-2232-06   EV 0.022 \ \mu F \\ \mathbb{C} & 113 & 042-9003-01   V 100 \ \mu F \\ \mathbb{C} & 114 & 178-1032-06   S0V 0.01 \ \mu F \\ \mathbb{C} & 174 & 178-1032-06   S0V 0.01 \ \mu F \\ \mathbb{C} & 174 & 178-1032-06   S0V 0.01 \ \mu F \\ \mathbb{C} & 174 & 178-1032-06   S0V 0.01 \ \mu F \\ \mathbb{C} & 174 & 178-1032-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 101 & 178-1032-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 101 & 178-1032-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 101 & 178-1032-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 202 & 178-1032-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 203 & 178-1032-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 203 & 178-203-06   S0V 0.000 \ \mu F \\ \mathbb{C} & 204 & 042-9002-04   S0V 1 \ \mu F \\ \mathbb{C} & 204 & 042-9002-04   S0V 1 \ \mu F \\ \mathbb{C} & 206 & 184-1073-22   10V 100 \ \mu F \\ \mathbb{C} $	C	1										
C 113 [142-223-06] SIV 0.022 $\mu$ F (C 759 [142-9002-01] SIV 0.07 $\mu$ F (C 113 [143-000-00] IV 0.01 $\mu$ F (C 711 [173-1103-06] SIV 0.01 $\mu$ F (C 710 [173-1103-06] SIV 0.02 $\mu$ F (C 710 [173-1103-06] SIV 0.03 $\mu$ F (C 710 [173-1103-0	C	111	042-9003-00	10V 100 μF	C	708	178-1032-05	50V 0.01 μ F		201	117-2231-10	1/10W 22kΩ
C 114   173-2003-06   170 \ 1 01 \ 4 \ P \ C   10   14 \ P \ C   170   042-9002-04   50V 1 \ \mu F   F   R   203   117-1011-10   170W 1000 \ 1 00 C   115   173-1032-05   50V 0.01 \ \mu F   C   710   174-2022-05   50V 0.200\ \mu F   R   203   117-1011-10   170W 1000 \ 1 00 C   202   174-1032-05   50V 0.000\ \mu F   C   712   174-2222-05   50V 0.200\ \mu F   R   203   117-1011-10   170W 120\ \mu V 100\ \m	lc	112	178-2232-05	25V 0.022 µF	IC	709	042-9002-01	50V 3.3 μF	R	202	117-2231-10	1/10W 22kΩ
C 115 178-1032-06 59V 0.01 μF	6				1			·	B	203	117-1011-10	1/10W 100 O
C 115   178-1032-05   50V 0.01 $\mu$ F   C 712   178-2222-05   50V 2200PF   R 205   117-1241-10   1/10W 120k0 C 202   178-1022-05   50V 1000PF   CN 102   078-9000-10   R 207   117-4271-10   1/10W 120k0 C 204   042-9002-04   50V 1 $\mu$ F   CN 103   078-9000-06   R 208   117-4271-10   1/10W 120k0 C 204   042-9002-04   50V 1 $\mu$ F   CN 104   078-9000-06   R 208   117-4271-10   1/10W 120k0 C 206   184-1073-22   10V 100 $\mu$ F   CN 105   078-9000-05   R 401   117-2221-10   1/10W 120k0 C 206   184-1073-22   10V 100 $\mu$ F   D 101   001-0330-00   15S119   R 403   117-8281-10   1/10W 120k0 C 208   178-2732-05   25V 0.027 $\mu$ F   D 103   001-0346-69   MTZ 18JB   R 403   117-8281-10   1/10W 220k0 C 401   182-2253-08   50V 2.2 $\mu$ F   D 103   001-0346-69   MTZ 18JB   R 405   117-1231-10   1/10W 120k0 C 401   182-2253-08   50V 2.2 $\mu$ F   D 103   001-0346-69   MTZ 18JB   R 405   117-2231-10   1/10W 220k0 C 403   182-1053-03   50V 1 $\mu$ F   D 103   001-0346-03   MTZ 18JB   R 405   117-2231-10   1/10W 220k0 C 403   182-1053-03   50V 1 $\mu$ F   D 103   001-0340-03   15S119   R 405   117-2231-10   1/10W 120k0 C 403   182-1053-03   50V 1 $\mu$ F   D 103   001-0340-03   15S119   R 405   117-2231-10   1/10W 220k0 C 403   182-1053-03   50V 1 $\mu$ F   D 103   001-0340-03   15S119   R 405   117-2231-10   1/10W 680k0 C 405   182-2253-03   50V 2.2 $\mu$ F   D 103   001-0340-03   15S119   R 401   117-4231-10   1/10W 680k0 C 405   182-2253-03   50V 2.2 $\mu$ F   D 103   001-0340-03   15S119   R 401   117-4231-10   1/10W 680k0 C 405   182-2253-03   50V 2.2 $\mu$ F   D 103   001-0340-03   15S119   R 401   117-4231-10   1/10W 680k0 C 405   182-2253-03   50V 2.2 $\mu$ F   D 103   001-0340-03   15S119   R 401   117-4231-10   1/10W 680k0 C 405   173-423-10   1/10W 680k0 C 405   1/10W 680k0 C 405   1/10W 680k0 C 405   1	0											
$ \begin{array}{c} 2 & 201 &   738-1022-06   50V 1000   F \\ 2 & 202 &   738-202-06   50V 1000   F \\ 2 & 203 &   042-9002-04   50V 1 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   184-1073-22   10V 100 \mu F \\ 2 & 050 &   182-273-26   52V 0.027 \mu F \\ 2 & 050 &   182-253-68   50V 2.2 \\ 2 & 182-253-68   50V 2.2 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 2.2 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & \mu F \\ 2 & 050 &   182-253-68   50V 1 \\ 2 & 050 &   182-2$	C				-			, ,				
$ \begin{array}{c} 201 &   78+1022-65  50V 1000pF \\ 202 &   78+1022-65  50V 1000pF \\ 203 &   042+9002-04  50V 1 \mu F \\ 204 &   042+902-04  50V 1 \mu F \\ 205 &   104+1073-22  10V 100 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  10V 10V 126 \mu F \\ 205 &   104+1073-22  104+10V 1$	C	115	178-1032-05	50V 0.01 μF	C	712	178-2222-05	50V 2200pF [	R	205	117-1241-10	1/10W 120kΩ
C 202   178-1022-05   50V 100pF   CN 102   076-9000-10   F   207   117-4721-10   1/10W, 47.KD   C 204   042-9002-04   50V 1 $\mu$ F   CN 103   076-9000-06   F   208   117-4721-10   1/10W, 47.KD   C 206   184-1073-22   10V 100 $\mu$ F   CN 105   076-9000-05   F   401   117-2221-10   1/10W, 22.KD   C 206   184-1073-22   10V 100 $\mu$ F   D 101   001-0330-00   15S119   F   403   117-8221-10   1/10W 58.KD   D 101   001-0330-00   15S119   F   403   117-8221-10   1/10W 58.KD   D 101   001-0330-00   15S119   F   405   117-2221-10   1/10W 58.KD   D 101   001-0330-00   15S119   F   405   117-2221-10   1/10W 12.KD   C 401   182-225-83   50V 2.2 $\mu$ F   D 601   001-0340-00   15S119   F   405   117-2221-10   1/10W 12.KD   C 403   182-105-83   50V 1 $\mu$ F   D 601   001-0340-00   15S119   F   406   117-2221-10   1/10W 12.KD   C 403   182-105-83   50V 1 $\mu$ F   D 601   001-0340-00   15S119   F   406   117-2221-10   1/10W 12.KD   C 405   182-225-83   50V 2.2 $\mu$ F   D 601   001-0340-00   15S119   F   408   117-8221-10   1/10W 68.KD   C 406   178-151-00   50V 150F   C H D 605   001-0330-00   15S119   F   409   117-4731-10   1/10W 47KD   C 407   178-6850-100   50V 150F   C H D 605   001-0330-00   15S119   F   401   111-4721-9   1/4WSS 4.7KD   C 409   182-225-83   50V 2.2 $\mu$ F   D 605   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 407   178-6850-100   50V 150F   D 605   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 409   182-225-83   50V 2.2 $\mu$ F   D 607   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 409   182-225-83   50V 2.006 $\mu$ F   D 701   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 411   178-5822-05   50V 560DF   D 605   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 411   178-5822-05   50V 560DF   D 701   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 411   178-5822-05   50V 560DF   D 701   001-0330-00   15S119   F   411   111-4721-9   1/4WSS 4.7KD   C 411   178-5822-05   50V 560DF   D 701   001-0330-00   15S119   F   701   001-0330-	C	201	178-1022-05	50V 1000pF	CN	101	074-1115-11		R	206	117-1241-10	1/10W 120kΩ
2 03 042-9002-04   50V $1_{\rm F}$   CN 103   076-9000-05   R   0117-4721-10   1/10W 2.2k Ω   CN 105   184-1073-22   10V 100 $_{\rm F}$   CN 105   076-9000-05   R   0117-4721-10   1/10W 2.2k Ω   CN 105   076-9000-05   R   0117-4721-10   1/10W 6.8k Ω   CN 105   076-9000-05   07									B			
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C 206 184-1073-22 [10V 100 μF   CN 105   076-9000-03   R 402   117-1231-10   1/10W 12kΩ   CN 206   178-2732-05 [25V 0.027 μF   D 102   001-0346-69   MTZ 18JB   R 404   117-6821-10   1/10W 6.8kΩ   CN 401   182-2253-63 [50V 2 μF   D 104   001-0330-00   15S119   R 405   117-6821-10   1/10W 12kΩ   CN 402   182-2253-63 [50V 2 μF   D 104   001-0330-00   15S119   R 405   117-6821-10   1/10W 12kΩ   CN 404   182-2253-63 [50V 2 μF   D 602   001-0330-00   15S119   R 405   117-6821-10   1/10W 68kΩ   CN 404   182-2253-63 [50V 2 μF   D 602   001-0330-00   15S119   R 405   117-6821-10   1/10W 68kΩ   CN 405   182-4753-63 [50V 4 μF   D 602   001-0330-00   15S119   R 405   117-6821-10   1/10W 68kΩ   CN 406   178-1501-00   50V 56pF   D 603   001-0330-00   15S119   R 410   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63 [50V 2 μF   D 604   001-0330-00   15S119   R 412   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63 [50V 2 μF   D 604   001-0330-00   15S119   R 412   117-6821-10   1/10W 68kΩ   CN 401   182-2253-63 [50V 2 μF   D 604   001-0330-00   15S119   R 412   117-4731-10   1/10W 68kΩ   CN 401   182-2253-63 [50V 2 μF   D 604   001-0330-00   15S119   R 412   117-4731-10   1/10W 68kΩ   CN 401   182-2253-63 [50V 2 μF   D 604   001-0330-00   15S119   R 412   117-4731-10   1/10W 68kΩ   CN 401   182-2253-63 [50V 2 μF   D 707   001-0330-00   15S119   R 412   117-4731-10   1/10W 68kΩ   CN 401   182-2253-63 [50V 2 μF   D 707   001-0330-00   15S119   R 412   117-4731-10   1/10W 68kΩ   CN 401   182-2253-63 [50V 5600pF   D 703   001-0346-46   MTZ 9 1.1   A 8 502   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63 [50V 5600pF   D 703   001-0346-46   MTZ 9 1.1   A 8 502   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63 [50V 5600pF   D 705   001-0330-00   15S119   R 601   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63   50V 5600pF   D 705   001-0330-00   15S119   R 601   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63   50V 5600pF   D 705   001-0330-00   15S119   R 601   111-4721-91   1/4WS8 4.7kΩ   CN 401   182-2253-63   50V 56	IC	204	042-9002-04	50V 1 μ F	CN	104	076-9000-05	1	R	401	117-2221-10	1/10W 2.2kΩ
C 206 $194-1073-22 10V 100 μF$ D 101 $1001-0330-00 15S119$ R 403 $117-6821-10 1/10W 6.8 μC$ D 102 $1001-0346-69 μMTZ 18.18$ R 403 $117-6821-10 1/10W 6.8 μC$ D 102 $1001-0346-69 μMTZ 18.18$ R 405 $117-2821-10 1/10W 6.8 μC$ D 103 $1001-0346-69 μMTZ 18.18$ R 405 $117-2821-10 1/10W 6.8 μC$ D 104 $1001-0330-00 15S119$ R 405 $117-1231-10 1/10W 12.0 μC$ D 400 $1102-0330-00 15S119$ R 405 $117-1231-10 1/10W 12.0 μC$ D 601 $1001-0346-69 μMTZ 18.18$ R 405 $117-1231-10 1/10W 12.0 μC$ D 602 $1001-0330-00 15S119$ R 407 $117-6821-10 1/10W 6.8 μC$ D 602 $1001-0330-00 15S119$ R 407 $117-6881-10 1/10W 6.8 μC$ D 602 $1001-0330-00 15S119$ R 409 $117-6821-10 1/10W 6.8 μC$ D 603 $1001-0330-00 15S119$ R 409 $117-6822-10 1/10W 6.8 μC$ D 604 $1001-0330-00 15S119$ R 401 $1117-427-11 1/10W 6.8 μC$ D 605 $1001-0330-00 15S119$ R 401 $1117-427-11 1/10W 6.8 μC$ D 605 $1001-0330-00 15S119$ R 411 $1111-427-19 11/4WS 4.7 μC$ D 605 $1001-0330-00 15S119$ R 411 $1111-427-19 11/4WS 4.7 μC$ D 607 $1001-0330-00 15S119$ R 411 $1111-427-19 11/4WS 8.1 μC$ D 607 $1001-0330-00 15S119$ R 413 $117-6831-10 1/10W 6.8 μC$ D 607 $1001-0330-00 15S119$ R 413 $117-6831-10 1/10W 6.8 μC$ D 707 $1001-0330-00 15S119$ R 413 $117-6831-10 1/10W 6.8 μC$ D 707 $1001-0330-00 15S119$ R 709 $1001-03300-00 15S119$ R 709 $1001-03300-00 15S119$ R 709 $1001-03300-$	C	205	184-1073-22	10V 100 "F	CN	105	076-9000-03		R	402	117-1231-10	1/10W 12kΩ
C 200 178-273-05 ESV 0.027 μF	5							1	0			
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	C	208	178-2732-05	25V 0.027 μF	D	103	001-0346-69	MTZ 18JB	R	405	117-1231-10	1/10W 12kΩ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	lo			,	D	104	001-0330-00	188119	R			
C 403 182-1059-68   50V 1 μ F   D 602   001-0330-00   15S119   R 408   117-6821-10   170W 47kQ	5			,								
C 404 182.2253.63   SOV 2.2 μ F   D 603   001-0330-00   ISS119   R 409   117-4731-10   1/10W 47KQ   C 406   176-1511-10   SOV 150pF CH   D 605   001-0330-00   ISS119   R 410   117-4731-10   1/10W 47KQ   C 407   176-5601-00   SOV 56pF   D 606   001-0330-00   ISS119   R 411   111-4721-91   1/4WSS 4.7KQ   C 408   178-8232-05   SEV 1.082 μ F   D 607   001-0330-00   ISS119   R 412   117-74731-10   1/10W 47KQ   C 408   182-2253-33   SEV 2.0 μ F   D 608   001-0330-00   ISS119   R 413   117-6831-10   1/10W 6.8 KQ   C 410   182-2253-33   SEV 2.0 μ F   D 701   D 101-0188-01   ISS1885A   R 501   111-122-19   1/4WSS 1.2 KQ   C 411   178-5632-05   SEV 0.056 μ F   D 702   001-0330-00   ISS119   R 413   117-6831-10   1/10W 6.8 KQ   C 412   178-5632-05   SEV 0.056 μ F   D 703   001-0330-00   ISS119   R 502   111-4721-91   1/4WSS 1.2 KQ   C 413   178-5632-05   SEV 0.056 μ F   D 703   001-0330-00   ISS119   R 503   111-4721-91   1/4WSS 4.7 KQ   C 413   178-5632-05   SEV 0.056 μ F   D 705   D 703   001-0330-00   ISS119   R 504   111-4721-91   1/4WSS 4.7 KQ   C 416   182-4763-33   SEV 47 μ F   D 707   001-0330-00   ISS119   R 505   111-4721-91   1/4WSS 4.7 KQ   C 416   182-4763-33   SEV 47 μ F   D 707   001-0330-00   ISS119   R 601   111-1531-91   1/4WSS 4.7 KQ   C 416   182-4763-33   SEV 47 μ F   D 707   001-0330-00   ISS119   R 601   111-1531-91   1/4WSS 4.7 KQ   C 418   178-5622-05   SEV 5000 p F   IC 501   051-209-00   TDA8561Q   R 601   111-4721-91   1/4WSS 2.KQ   C 422   182-2263-33   SEV 2.2 μ F   L 101   010-9000-00   DA8561Q   R 601   111-231-91   1/4WSS 2.KQ   C 422   182-2263-33   SEV 2.2 μ F   L 101   010-9000-00   S.5 μ H   R 601   111-231-91   1/4WSS 2.KQ   C 422   182-2263-33   SEV 3.2 μ F   L 101   010-9000-00   S.5 μ H   R 601   111-231-91   1/4WSS 2.KQ   C 422   182-2263-33   SEV 3.2 μ F   L 101   010-9000-00   S.5 μ H   R 601   111-231-91   1/4WSS 2.KQ   C 422   182-2263-33   SEV 3.2 μ F   L 101   010-9000-00   S.5 μ H   R 601   111-231-91   1/4WSS 2.KQ   C 422   182-2263-33   SEV 3.2 μ F   L 101   010-9000-00	2			1		-			1			
C 409 178-8232-65 25V 0.082 μF C 401 182-2263-33 16V 22 μF C 411 178-652-05 25V 0.066 μF C 411 178-652-05 25V 0.066 μF C 411 178-6522-05 50V 5600pF C 413 178-6522-05 50V 5600pF C 413 178-6522-05 50V 5600pF D 704 001-0330-00 18S119 D 705 001-0346-48 MTZ 9.1 JA R 503 111-1721-91 1/4WSS 4.7kΩ C 413 178-6522-05 50V 5600pF D 704 001-0330-00 18S119 D 705 001-0330-00 18S119 R 504 111-4721-91 1/4WSS 4.7kΩ C 415 182-4763-33 16V 47 μF D 706 001-0330-00 18S119 D 707 001-0330-00 18S119 D 708 001-0330-00 18S119 R 601 111-1721-91 1/4WSS 4.7kΩ C 416 182-4763-33 16V 47 μF D 707 001-0330-00 18S119 D 708 001-0330-00 18S119 D 708 001-0330-00 18S119 R 601 111-4721-91 1/4WSS 4.7kΩ C 418 178-6522-05 50V 5600pF C 419 178-6522-05 50V 5600pF C 410 182-2263-30 16V 10 μF C 410 182-2263-30 16V 10 μF C 411 182-2263-31 16V 10 μF C 412 182-2263-30 50V 5600pF C 420 178-6522-05 50V 5600pF C 421 182-2263-30 50V 2.2 μF C 422 182-2263-36 50V 2.2 μF C 422 182-2263-30 50V 2.2 μF C 503 181-4743-62 50V 0.05 60P C 422 182-2263-30 50V 0.05 60P C 504 181-4743-62 50V 0.47 μF P 101 010-9000-05 5.6 μH R 610 111-1231-91 1/4WSS 22kΩ C 504 181-4743-62 50V 0.47 μF P 102 017-9001-01 8V68mA R 615 117-1031-10 1/10W 10kΩ C 506 176-301-00 50V 10pF CH C 507 181-4743-62 50V 0.47 μF P 102 017-9001-01 8V68mA R 616 117-1031-10 1/10W 10kΩ C 506 176-301-00 50V 33pF CH C 600 176-3031-00 50V 33pF CH C 600 176-3031-00 50V 33pF CH C 600 176-3031-00 50V 33pF CH C 601 182-4763-33 16V 47 μF C 600 176-3031-00 50V 33pF CH C 601 182-4763-33 16V 47 μF C 606 176-3031-00 50V 33pF CH C 601 182-4763-33 16V 47 μF C 601 176-1011-00 50V 100pF CH C 601 182-4763-33 16V 47 μF C 601 176-1011-00 50V 100pF CH C 601 176-1011-00 50V	C				טן				1			
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$ \begin{array}{c} C  409    182-2265-36 \mid 50V \ 2.2 \ \mu F \\ C  410    182-2265-36 \mid 50V \ 2.2 \ \mu F \\ C  411    175-5632-05 \mid 52V \ 0.056 \ \mu F \\ C  412    175-5632-05 \mid 52V \ 0.056 \ \mu F \\ C  413    178-5622-05 \mid 50V \ 5600 \ p F \\ C  413    178-5622-05 \mid 50V \ 5600 \ p F \\ C  414    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  415    182-4763-33 \mid 6V \ 10 \ \mu F \\ C  416    182-4763-33 \mid 6V \ 10 \ \mu F \\ C  416    182-4763-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-265-33 \mid 6V \ 10 \ \mu F \\ C  417    182-265-33 \mid 6V \ 10 \ \mu F \\ C  419    178-5622-05  50V \ 5600 \ p F \\ C  419    178-5622-05  50V \ 5600 \ p F \\ C  419    178-5622-05  50V \ 5600 \ p F \\ C  420    178-5632-05    50V \ 5600 \ p F \\ C  420    178-5632-05    50V \ 5600 \ p F \\ C  420    178-5632-05    50V \ 5600 \ p F \\ C  422    182-2263-33    18V \ 22 \ \mu F \\ C  424    182-2263-33    18V \ 22 \ \mu F \\ C  424    182-2263-33    18V \ 22 \ \mu F \\ C  424    178-5632-05    174-100 \   10 \ 10 \   10 \ $	C				1							
$ \begin{array}{c} C  409    182-2265-36 \mid 50V \ 2.2 \ \mu F \\ C  410    182-2265-36 \mid 50V \ 2.2 \ \mu F \\ C  411    175-5632-05 \mid 52V \ 0.056 \ \mu F \\ C  412    175-5632-05 \mid 52V \ 0.056 \ \mu F \\ C  413    178-5622-05 \mid 50V \ 5600 \ p F \\ C  413    178-5622-05 \mid 50V \ 5600 \ p F \\ C  414    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  415    182-4763-33 \mid 6V \ 10 \ \mu F \\ C  416    182-4763-33 \mid 6V \ 10 \ \mu F \\ C  416    182-4763-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-1063-33 \mid 6V \ 10 \ \mu F \\ C  417    182-265-33 \mid 6V \ 10 \ \mu F \\ C  417    182-265-33 \mid 6V \ 10 \ \mu F \\ C  419    178-5622-05  50V \ 5600 \ p F \\ C  419    178-5622-05  50V \ 5600 \ p F \\ C  419    178-5622-05  50V \ 5600 \ p F \\ C  420    178-5632-05    50V \ 5600 \ p F \\ C  420    178-5632-05    50V \ 5600 \ p F \\ C  420    178-5632-05    50V \ 5600 \ p F \\ C  422    182-2263-33    18V \ 22 \ \mu F \\ C  424    182-2263-33    18V \ 22 \ \mu F \\ C  424    182-2263-33    18V \ 22 \ \mu F \\ C  424    178-5632-05    174-100 \   10 \ 10 \   10 \ $	C	408	178-8232-05	25V 0.082 μF	D	607	001-0330-00	1SS119	R	413	117-6831-10	1/10W 68kΩ
C 410 $182.2263.31   \text{feV } 22  \mu\text{F}$	ic	409	182-2253-63	50V 2.2 µF	D	608	001-0330-00	155119	R	414	117-6821-10	1/10W 6.8kΩ
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	C			,	lo	701	001-0188-01	1SS1885A	R	501	111-1221-91	1/4WSS 1.2kQ
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C 414 182-1063-33 16V 10 $\mu$ F D 705 001-0330-00 1SS119 R 605 111-4721-91 1/4WSS 47kΩ C 416 182-4763-33 16V 47 $\mu$ F D 706 001-0330-00 1SS119 R 601 111-1531-91 1/4WSS 15kΩ D 707 001-0330-00 1SS119 R 601 111-1531-91 1/4WSS 15kΩ D 707 001-0330-00 1SS119 R 602 117-4721-10 1/10W 4.7kΩ R 603 111-4721-91 1/4WSS 22kΩ D 707 001-0330-00 1SS119 R 602 117-4721-10 1/10W 4.7kΩ R 603 111-4721-91 1/4WSS 22kΩ D 707 001-0330-00 1SS119 R 602 117-4721-10 1/10W 4.7kΩ R 603 111-4721-91 1/4WSS 22kΩ D 708-220-5 25V 0.056 $\mu$ F I I C 201 051-0272-00 LA3161 R 603 111-4721-91 1/4WSS 22kΩ D 708-220-5 25V 0.056 $\mu$ F I I C 501 051-2009-00 TDA8561Q R 605 111-4731-91 1/4WSS 22kΩ D 708-220-5 25V 0.082 $\mu$ F I C 601 052-1909-00 I C72323A-9281 R 607 111-2231-91 1/4WSS 22kΩ D 708-220-5 25V 0.082 $\mu$ F I D 101 009-000-05 5.6 $\mu$ H R 609 111-231-91 1/4WSS 22kΩ D 708-220-5 25V 0.082 $\mu$ F I D 101 009-000-05 5.6 $\mu$ H R 609 111-231-91 1/4WSS 22kΩ D 708-220-5 25V 0.047 $\mu$ F I D 101-9000-05 5.6 $\mu$ H R 609 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 611 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 611 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 611 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 613 117-031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 61	C	412	178-5622-05	50V 5600pF	P							
C 414 182-1063-33 16V 10 $\mu$ F D 705 001-0330-00 1SS119 R 605 111-4721-91 1/4WSS 47kΩ C 416 182-4763-33 16V 47 $\mu$ F D 706 001-0330-00 1SS119 R 601 111-1531-91 1/4WSS 15kΩ D 707 001-0330-00 1SS119 R 601 111-1531-91 1/4WSS 15kΩ D 707 001-0330-00 1SS119 R 602 117-4721-10 1/10W 4.7kΩ R 603 111-4721-91 1/4WSS 22kΩ D 707 001-0330-00 1SS119 R 602 117-4721-10 1/10W 4.7kΩ R 603 111-4721-91 1/4WSS 22kΩ D 707 001-0330-00 1SS119 R 602 117-4721-10 1/10W 4.7kΩ R 603 111-4721-91 1/4WSS 22kΩ D 708-220-5 25V 0.056 $\mu$ F I I C 201 051-0272-00 LA3161 R 603 111-4721-91 1/4WSS 22kΩ D 708-220-5 25V 0.056 $\mu$ F I I C 501 051-2009-00 TDA8561Q R 605 111-4731-91 1/4WSS 22kΩ D 708-220-5 25V 0.082 $\mu$ F I C 601 052-1909-00 I C72323A-9281 R 607 111-2231-91 1/4WSS 22kΩ D 708-220-5 25V 0.082 $\mu$ F I D 101 009-000-05 5.6 $\mu$ H R 609 111-231-91 1/4WSS 22kΩ D 708-220-5 25V 0.082 $\mu$ F I D 101 009-000-05 5.6 $\mu$ H R 609 111-231-91 1/4WSS 22kΩ D 708-220-5 25V 0.047 $\mu$ F I D 101-9000-05 5.6 $\mu$ H R 609 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 611 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 611 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 611 111-1031-91 1/4WSS 10kΩ D 709-000-05 120 $\mu$ H R 613 117-031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 613 117-1031-10 1/10W 10kΩ D 709-000-05 120 $\mu$ H R 61	C	413	178-5622-05	50V 5600pF	D	704	001-0330-00	1SS119	R	504	111-4721-91	1/4WSS 4.7kΩ
C 415 182-4763-33 16V 47 $\mu$ F D 706 1001-0330-00 1SS119 R 601 111-1531-91  1/4WSS 15kΩ D C 416 182-4763-33 16V 10 $\mu$ F   D 706 1001-0330-00 1SS119 R 602 1117-4721-10  1/10W 4.7kΩ D C 418 178-5622-05 50V 5600pF   C 501 051-2009-00   D 1051-5008-00   M62419FP R 602 1117-4721-91  1/4WSS 4.7kΩ D C 420 178-5632-05 25V 0.056 $\mu$ F   C 201 051-0272-00   LA3161 R 603 111-4721-91  1/4WSS 4.7kΩ D C 420 178-5632-05 25V 0.056 $\mu$ F   C 501 051-2009-00   TDA8561Q R 605 111-4731-91  1/4WSS 4.7kΩ D C 421 182-2253-33 16V 22 $\mu$ F   L 101 101-9000-05 5.6 $\mu$ H   R 606 117-2231-10  1/10W 10kΩ D C 422   178-5632-05 25V 0.082 $\mu$ F   L 101 010-9000-05 5.6 $\mu$ H   R 609 111-2231-91  1/4WSS 22kΩ D C 424 178-8232-05 25V 0.082 $\mu$ F   L 102 010-9009-50   0.15 $\mu$ H   R 609 111-2231-91  1/4WSS 22kΩ D C 425 178-5131-00   50V 150pF C H   L 04 010-9000-05   5.6 $\mu$ H   R 610 111-1031-91  1/4WSS 10kΩ D C 426   182-4753-63   50V 4.7 $\mu$ F   L 601   010-9000-05   0.15 $\mu$ H   R 611   111-1031-91  1/4WSS 10kΩ D C 504   181-4743-62   50V 0.047 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 612   111-631-10   1/10W 10kΩ D C 504   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 615   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-01   120 $\mu$ H   R 616   117-1031-10   1/10W 10kΩ D C 505   181-4743-62   50V 0.47 $\mu$ F   D 2010-9000-	C	414	182-1063-33	16V 10 uF	Ь	705	001-0330-00	188119	IR	505	111-4721-91	1/4WSS 4.7kΩ
C 416 182-4763-33 16V 14 $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ 182-1063-33 16V 10 $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ 182-1063-33 16V 10 $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ $^{\prime}$ 182-1063-33 16V 10 $^{\prime}$ $^$	C							1	B			
C 417 182-1063-33 16V 10 $\mu$ F   C 201 051-0272-00 LA3161   R 603 111-4721-91 1/4WSS 4.7k Ω	5			,	_							
C 418 178-5622-05 50V 5600pF   IC 401 051-5008-00   M62419FP   R 604   111-2231-91   1/4WSS 22kΩ   R 605   111-4731-91   1/4WSS 47kΩ   R 606   117-2231-10   1/10W 10kΩ   R 607   111-2231-91   1/4WSS 47kΩ   R 607   111-2231-91   1/4WSS 47kΩ   R 607   111-2231-91   1/4WSS 47kΩ   R 607   111-2231-91   1/4WSS 22kΩ   R 607   111-2231-91   1/4WSS 10kΩ   R 608   111-2231-91   1/4WSS 10kΩ   R 608   111-2231-91   1/4WSS 10kΩ   R 609   111-2231-91   1/4WSS 10kΩ   R 609   111-2231-91   1/4WSS 10kΩ   R 609   111-2231-91   1/4WSS 10kΩ   R 619   111-2231-91   1/4WSS 68kΩ   R 619   111-2231-91   1/4WSS 68kΩ   R 619   111-2231-91   1/4WSS 68kΩ   R 619   117-1231-10   1/10W 22kΩ   R 614   117-2231-10   1/10W 22kΩ   R 614   117-2231-10   1/10W 22kΩ   R 614   117-2231-10   1/10W 22kΩ   R 618   117-1231-10   1/10W 22kΩ   R 618   117-1231-10   1/10W 10kΩ   R 619   117-1231-10   1/10W	Ľ								1			
C 449 178-562-05 50V 5600pF	C				1							
C 420 $178-5632-05$ $25V$ $0.056$ $\mu$ F	C	418	178-5622-05	50V 5600pF	IC	401	051-5008-00	M62419FP			111-2231-91	1/4WSS 22kΩ
C 420 $178-5632-05$ $25V$ $0.056$ $\mu$ F	C	419	178-5622-05	50V 5600pF	IC	501	051-2009-00	TDA8561Q	R	605	111-4731-91	1/4WSS 47kΩ
C 421 $182-2263-33$ $16V 22 μF$					liC.	502	051-2009-00	TDA8561Q	IR			
C 422 $182-2253-63$ $50V 2.2 μF$ L 101 $010-9000-05$ $5.6 μH$ R 608 $111-4731-91$ $1/4WSS 27kΩ$ C 423 $178-8232-05$ $25V 0.082 μF$ L 102 $010-9000-50$ $5.6 μH$ R 609 $111-2231-91$ $1/4WSS 27kΩ$ C 426 $176-5611-00$ $50V 150pF$ CH L 104 $010-9009-01$ $1.2 μH$ R 611 $111-1031-91$ $1/4WSS 10kΩ$ C 426 $182-4753-63$ $50V 4.7 μF$ L 601 $010-9000-02$ $120 μH$ R 612 $111-6831-91$ $1/4WSS 68kΩ$ C 501 $177-12233-06$ $25V 0.022 μF$ L 701 $009-9006-50$ R 613 $117-1031-10$ $1/10W 10kΩ$ C 502 $181-4743-62$ $50V 0.47 μF$ PL 101 $017-9001-01$ $8V68mA$ R 615 $117-2231-10$ $1/10W 22kΩ$ C 503 $181-4743-62$ $50V 0.47 μF$ PL 101 $017-9001-01$ $8V68mA$ R 616 $117-1031-10$ $1/10W 10kΩ$ C 505 $181-4743-62$ $50V 0.47 μF$ Q 601 $193-1858-00$ $2SD1858$ R 617 $117-1031-10$ $1/10W 10kΩ$ C 506 $173-1042-10$ $50V 0.1 μF$ Q 701 $193-1858-00$ $2SD1858$ R 619 $117-1031-10$ $1/10W 10kΩ$ C 508 $178-1022-05$ $50V 1000pF$ Q 703 $193-1858-00$ $2SD1858$ R 701 $111-1221-91$ $1/4WSS 1kΩ$ C 603 $178-1022-05$ $50V 1000pF$ Q 703 $191-1243-00$ $2SD1858$ R 703 $111-2791-91$ $1/4WSS 2.7Ω$ C 603 $178-1022-05$ $50V 1000pF$ Q 704 $193-1858-00$ $2SD1858$ R 705 $111-4711-81$ $1/2WSS 470Ω$ C 604 $178-1022-05$ $50V 1000pF$ Q 705 $193-1858-00$ $2SD1858$ R 701 $111-1021-91$ $1/4WSS 1kΩ$ C 606 $176-3031-00$ $50V 33pF$ CH Q 706 $193-1858-00$ $2SD1858$ R 705 $111-4721-91$ $1/4WSS 2.7Ω$ C 603 $178-1022-05$ $50V 1000pF$ Q 706 $193-1858-00$ $2SD1858$ R 706 $111-4721-91$ $1/4WSS 2.7Ω$ C 607 $182-4763-33$ $16V 47 μF$ Q 709 $100-1548-00$ $2SD1858$ R 709 $111-2221-91$ $1/4WSS 2.2kΩ$ C 606 $176-3031-00$ $50V 33pF$ CH Q 707 $125-2003-02$ RN1202 R 709 $111-4711-81$ $1/4WSS 10kΩ$ C 607 $182-4763-33$ $16V 47 μF$ Q 709 $100-1548-00$ $2SD1858$ R 709 $111-2221-91$ $1/4WSS 2.2kΩ$ C 607 $182-4763-33$ $16V 47 μF$ Q 709 $100-1548-00$ $2SD1858$ R 709 $111-221-91$ $1/4WSS 10kΩ$ C 607 $182-4763-33$ $16V 47 μF$ Q 709 $100-1548-00$ $2SD1858$ R 709 $111-221-91$ $1/4WSS 10kΩ$ C 607 $182-4763-33$ $16V 47 μF$ Q 709 $100-1548-00$ $2SD1858$ R 709 $111-221-91$ $1/4WSS 10kΩ$ C 609 $176-101-00$ $100 1$												
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	C	423	178-8232-05	25V 0.082 μF	L	102	010-9009-50	0.15 μH	JR	609	111-2231-91	1/4WSS 22kΩ
	lC	424	176-5601-00	50V 56pF	<b>L</b>	103	010-9000-05	5.6 μH	R	610	111-1031-91	1/4WSS 10kΩ
	lc	425	176-1511-00	50V 150pF CH	lı	104	010-9009-01	2.2 "H	İR	611	111-1031-91	1/4WSS 10kO
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	lC.				-			1				
	C	501	171-2233-06	25V 0.022 μF	L	702	010-9000-01	120 μH	R	614	117-2231-10	1/10W 22kΩ
	C	502			PI	101	017-9001-01	8V68mA	R	615	117-2231-10	1/10W 22kQ
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	C											
	C	505	181-4743-62	50V 0.47 μF	Q	602	125-0003-02	RN 2202	R	618	117-1031-10	1/10W 10kΩ
	C				Q	701	193-1858-00	2SD1858	R			
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	Z											
	C											
	C	601	180-1063-53	35V 10 μF		703	191-1243-00	2SB1243	R	703	111-2791-91	1/4WSS 2.7Ω
	C				Q	704	125-2003-02	RN1202	R			
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	C	606	176-3301-00	50V 33pF CH	Q	708	102-2458-00	2SC2458	R	708	111-1031-91	1/4WSS 10kΩ
	C	607				709	100-1548-00	2SA1548	R			
	lc											
							1					
			l .				1					
	C							1	IR	712	111-1091-91	1/4WSS 1 Ω
	C	611	182-1053-63	50V 1 μF	Q	714	100-1048-00	2SA1048	R			
	lc						ł	1			1	
	5								1		1	
O 014   176-1032-05 50V 0.01 μF     Q 717   102-2458-00 2502458     H 716   1111-1031-91   1/4WSS 10kΩ	Ĭ,										1	
		014	1/0-1032-05	130 ν υ.υι μτ	u	/1/	102-2458-00	2302438	<u> </u>	/16	111-1031-91	1/4VV55 1UKU

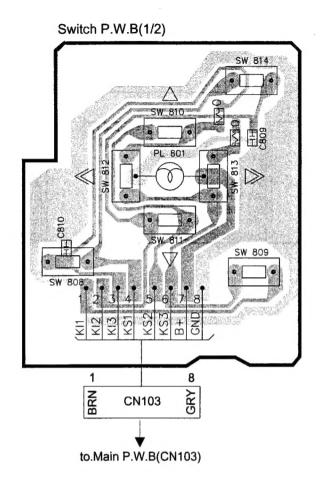
RE	No.	PART No.	DESCRIPTION	REI	No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION
R	717	111-2221-91	1/4WSS 2.2kΩ	R	724	111-1591-91	1/4WSS 1.5Ω	R	731	111-4711-81	1/2WSS 470 Ω
R	718	111-1031-91	1/4WSS 10kΩ	R	725	111-1591-91	1/4WSS 1.5Ω	R	732	111-1031-91	1/4WSS 10kΩ
R	719	111-2221-91	1/4WSS 2.2kΩ	R	726	111-1591-91	1/4WSS 1.5Ω	R	733	111-1031-91	1/4WSS 10kΩ
R	720	111-1021-91	1/4WSS 1kΩ	R	727	111-1031-91	1/4WSS 10kΩ	R	734	111-2221-91	1/4WSS 2.2kΩ
R	721	117-1021-10	1/10W 1kΩ	R	728	111-2221-91	1/4WSS 2.2kΩ	x	701	061-9000-50	4.5MHz
R	722	111-4721-91	1/4WSS 4.7kΩ	R	729	111-1031-91	1/4WSS 10kΩ				
R	723	111-1591-91	1/4WSS 1.5Ω	R	730	111-1031-91	1/4WSS 10kΩ				

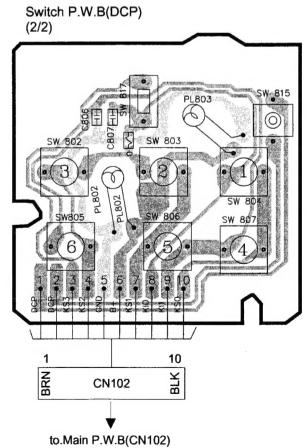
# Switch PWB

RE	No.	PART No.	DESCRIPTION	REF	No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION
С	806	176-3311-00	50V 330pF	PL	803	017-0410-00	14V 40mA	SW	809	013-3812-11	
С	807	176-3311-00	50V 330pF	SW	802	013-6002-50		SW	810	013-3812-11	
С	809	176-3311-00	50V 330pF	SW	803	013-6002-50		sw	811	013-3812-11	
С	810	176-3311-00	50V 330pF	SW	804	013-6002-50		SW	812	013-3812-11	
CN	101	854-4236-00		SW	805	013-6002-50		sw	813	013-3812-11	
CN	102	854-4235-00		SW	806	013-6002-50		sw	814	013-3812-11	
PL	801	017-0410-00	14V 40mA	sw	807	013-6002-50	-	sw	815	013-7000-01	
PL	802	017-0410-00	14V 40mA	sw	808	013-3812-11		SW	817	013-3812-11	

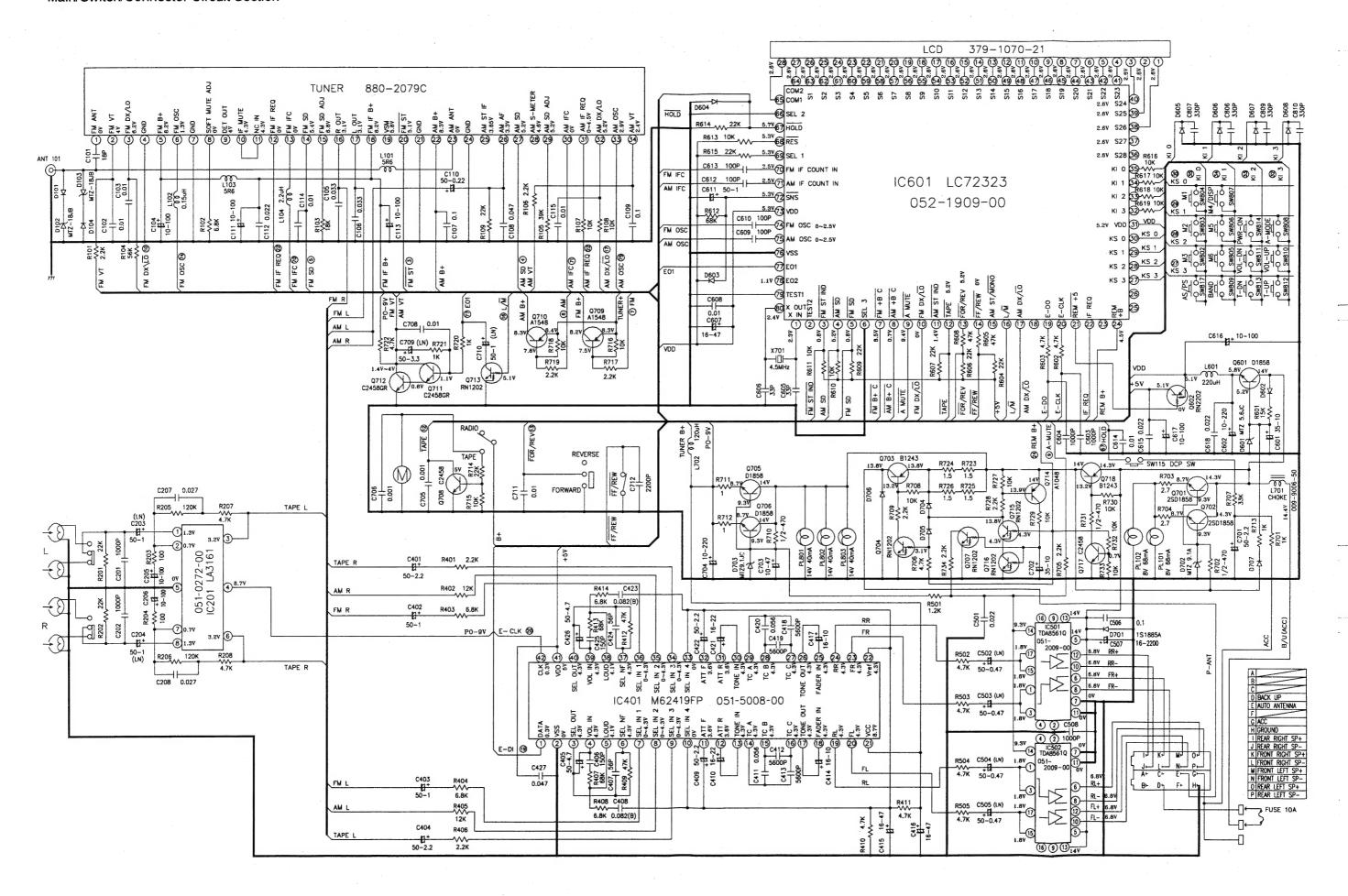
# **■ PRINTED WIRING BOARD**

Switch P.W.B section





# ■ CIRCUIT DIAGRAM Main/Switch/Connector Circuit Section



ARR1370F

ARR1370F

**PRINTED WIRING BOARD** ISO 16P CONNECTOR Main/Connector P.W.B Section Connector P.W.B J[ L[ N[ P[ A[ C] E[ G] B[ D[ F[ H[ for VW and Audi vehicles for Other vehicles Main P.W.B 092-9000-01 QIC 501 502 L701 717707 718 714 705 201 MOTOR 706 5G 2R 2N 703704 816-2314-00 709 4 YEL 710 3 ORG 2RED\_ 602 1BRN FF/REW SW.
TOM2-DC MECHANISM
(930-0727-80) 708 712711 701702 713 from Switch P.W.B(DCP) from Switch P.W.B(1/2) (2/2)EARTH PLATE 

ARR1370E

ARB1370E